

SEQUENCE LISTING

<110> Crisanti, Andrea

<120> Conjugates that Contain the Homeodomain of Antennapedia

<130> GJE-39D1

<140>

<141> 2004-02-27

<150> US 09/486,676

<151> 2000-03-01

<150> GB 9718609.2

<151> 1997-02-02

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 60

<212> PRT

<213> Drosophila sp.

<400> 1

Arg Lys Arg Gly Arg Gln Thr Tyr Thr Arg Tyr Gln Thr Leu Glu Leu
1 5 10 15

Glu Lys Glu Phe His Phe Asn Arg Tyr Leu Thr Arg Arg Arg Arg Ile
20 25 30

Glu Ile Ala His Ala Leu Cys Leu Thr Glu Arg Gln Ile Lys Ile Trp
35 40 45

Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Glu Asn
50 55 60

<210> 2

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Six histidine tail fused to conjugate for purification

<400> 2

His His His His His His Gly Ser
1 5

<210> 3
 <211> 16
 <212> PRT
 <213> Drosophila sp.

<400> 3

Arg	Gln	Ile	Lys	Ile	Trp	Phe	Gln	Asn	Arg	Arg	Met	Lys	Trp	Lys	Lys
1				5					10					15	

<210> 4
 <211> 16
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<220>
 <223> Variant sequence of helix 3. Must have between
 6 and 10 hydrophobic amino acids.

<220>
 <221> MISC_FEATURE
 <222> (1)..(5)
 <223> Can be any alpha-amino acid.

<220>
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 <222> (7)..(16)
 <223> Can be any alpha-amino acid.

<400> 4

Xaa	Xaa	Xaa	Xaa	Xaa	Trp	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
1				5					10					15	

<210> 5
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<220>
 <223> Variant sequence of helix 3. Must have between
 6 and 10 hydrophobic amino acids.

<220>
 <221> MISC_FEATURE
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 <223> Can be any alpha-amino acid.

<220>
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<400> 5

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa
1 5 10 15

<210> 6

<211> 35

<212> PRT

<213> Drosophila sp.

<400> 6

Leu Thr Arg Arg Arg Arg Ile Glu Ile Ala His Ala Leu Cys Leu Thr
1 5 10 15

Glu Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
20 25 30

Lys Glu Asn
35

<210> 7

<211> 35

<212> PRT

<213> Drosophila sp.

<400> 7

Leu Thr Arg Arg Arg Arg Ile Glu Ile Ala Tyr Ala Leu Cys Leu Thr
1 5 10 15

Glu Arg Gln Ile Lys Ile Trp Phe Ala Asn Arg Arg Met Lys Trp Lys
20 25 30

Lys Glu Asn
35

<210> 8

<211> 35

<212> PRT

<213> Drosophila sp.

<400> 8

Leu Thr Arg Arg Arg Arg Ile Glu Ile Ala His Ala Leu Cys Pro Pro
1 5 10 15

Glu Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
20 25 30

Lys Glu Asn
35

<210> 9
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<212> PRT
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<223> Factor Xa cleavage sequence.

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Ile Glu Gly Arg
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<210> 10
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<220>
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Asp Asp Asp Asp Lys
1 5

<210> 11
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<223> Thrombin cleavage sequence.

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Leu Val Pro Arg Gly
1 5

<210> 12
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cggaggacag tcctccg